

Rev03
Update: Dec,14,2021

DATASHEET

Lymphotactin/XCL1, Human

Cat. No.: Z02827

Product Introduction

Species	Human
Protein Construction	Lymphotactin (Gly23-Gly114) Accession # P47992
Purity	> 98% as analyzed by SDS-PAGE > 98% as analyzed by HPLC
Endotoxin Level	< 1 EU/μg of protein by LAL method
Biological Activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human T-lymphocytes is in a concentration of 10.0-100.0 ng/ml.
Expression System	E. coli
Theoretical Molecular Weight	10.2 kDa
Formulation	Lyophilized from a 0.2 μm filtered solution in 20 mM PB, pH 7.4, 150 mM NaCl.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/ml.
Storage & Stability	Upon receiving, this product remains stable for up to 6 months at -70°C or -20°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. Avoid repeated freeze-thaw cycles.

Background

Target Background : Lymphotactin is the only known member of the C-chemokine family and signals through the receptor XCR1, formally known as GPR5. The spleen shows the highest level of lymphotactin compared to peripheral leukocytes, lung, colon and small intestine. Lymphotactin is chemotactic towards lymphocytes but not towards monocytes or neutrophils.

Synonyms : ATAC; LPTN; LTN; SCM-1; SCM-1a; SCM1; SCM1A; SCYC1; X-C motif chemokine ligand 1

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.